

Set	Items	Description
S1	17062	VIRTUAL()REALIT? OR VR OR AVATAR
S2	583738	SHOP? OR STORE? OR MARKET? OR RETAIL? OR VENDOR? OR MALL? - OR SHOWROOM? OR SHOW()ROOM? ? OR AUCTION?
S3	139275	TRANSACTION? ? OR TRADE OR TRADES OR TRADING
S4	37005	LIVE
S5	84489	SIMULAT?
S6	1537	S1(S)S2
S7	67	S6(20N)(S3 OR S4)
S8	333	S1(3N)S5
S9	45	S8(S)S2
S10	109	S7 OR S9
S11	16	S10 AND IC=G06F-017/60

? show file

File 348:EUROPEAN PATENTS 1978-2004/Oct W05

(c) 2004 European Patent Office

File 349:PCT FULLTEXT 1979-2002/UB=20041104,UT=20041028

(c) 2004 WIPO/Univentio

11/3,K/1 (Item 1 from file: 348)  
DIALOG(R)File 348:EUROPEAN PATENTS  
(c) 2004 European Patent Office. All rts. reserv.

01389889

**COMMODITY DISPLAYING/SELLING SYSTEM**

**SYSTEM ZUR AUSTELLUNG UND ZUM VERKAUF VON WAREN.**

**SYSTEME DE VENTE/D'AFFICHAGE DE MARCHANDISES**

PATENT ASSIGNEE:

Asa Co., Ltd., (3964740), 3-2, Shineichou, Chigasaki-shi, Kanagawa  
253-0044, (JP), (Applicant designated States: all)

INVENTOR:

ABEKAWA, Katsuyoshi, c/o ASA Co., Ltd., 3-2, Shineichou, Chigasaki-shi,  
Kanagawa 253-0044, (JP)

LEGAL REPRESENTATIVE:

Townsend, Victoria Jayne et al (88952), Fry Heath & Spence LLP The Gables  
Massetts Road, Horley, Surrey RH6 7DQ, (GB)

PATENT (CC, No, Kind, Date): EP 1288808 A1 030305 (Basic)

WO 2001095184 011213

APPLICATION (CC, No, Date): EP 2001934528 010604; WO 2001JP4704 010604

PRIORITY (CC, No, Date): JP 2000174295 000609; JP 2000384522 001218

DESIGNATED STATES: AT; BE; CH; CY; DE; DK; ES; FI; FR; GB; GR; IE; IT; LI;  
LU; MC; NL; PT; SE; TR

EXTENDED DESIGNATED STATES: AL; LT; LV; MK; RO; SI

INTERNATIONAL PATENT CLASS: G06F-017/60 ; G06F-017/50

ABSTRACT WORD COUNT: 147

NOTE:

Figure number on first page: 2

LANGUAGE (Publication,Procedural,Application): English; English; Japanese

FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	200310	1024
SPEC A	(English)	200310	7500
Total word count - document A			8524
Total word count - document B			0
Total word count - documents A + B			8524

INTERNATIONAL PATENT CLASS: G06F-017/60 ...

...SPECIFICATION and in the sale of cosmetics, etc.

Further, in another embodiment, this system allows for **simulation** in a **virtual reality** space (virtual space) during purchase of furniture, interior goods, etc. For example, in a **shopping mall** as a virtual reality space where furniture, ornaments, etc. related to interior decoration for rooms...

...Further, the product selecting means allows the consumer to select a product sold by a **store** in the **shopping mall**, and the selected product can be laid out freely in the room selected by the...

11/3,K/2 (Item 2 from file: 348)  
DIALOG(R)File 348:EUROPEAN PATENTS  
(c) 2004 European Patent Office. All rts. reserv.

01272545

**Three dimensional technical analysis**

**Dreidimensionale technische Analyse**

**Analyse technique en trois dimensions**

PATENT ASSIGNEE:

Sieper, Hartmut, (3133070), Elsternweg 8, 65527 Niedernhausen, (DE),  
(Applicant designated States: all)

INVENTOR:

Sieper, Hartmut, Elsternweg 8, 65527 Niedernhausen, (DE)

LEGAL REPRESENTATIVE:

Rupp, Christian, Dipl.Phys. (88331), Mitscherlich & Partner Patent- und  
Rechtsanwalte Sonnenstrasse 33, 80331 Munchen, (DE)

PATENT (CC, No, Kind, Date): EP 1096402 A2 010502 (Basic)  
EP 1096402 A3 030108

APPLICATION (CC, No, Date): EP 2000121595 001002;

PRIORITY (CC, No, Date): DE 19951880 991028

DESIGNATED STATES: AT; BE; CH; CY; DE; DK; ES; FI; FR; GB; GR; IE; IT; LI;  
LU; MC; NL; PT; SE

EXTENDED DESIGNATED STATES: AL; LT; LV; MK; RO; SI

INTERNATIONAL PATENT CLASS: G06F-017/60

ABSTRACT WORD COUNT: 113

NOTE:

Figure number on first page: 1

LANGUAGE (Publication,Procedural,Application): English; English; English

FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	200118	1304
SPEC A	(English)	200118	5243
Total word count - document A			6547
Total word count - document B			0
Total word count - documents A + B			6547

INTERNATIONAL PATENT CLASS: G06F-017/60

...SPECIFICATION of the information landscape is subdivided into certain  
sectors of a main category for example **trading** place or **market** sector  
so that at the intersection of sectors from two axis a cell is formed...

11/3,K/3 (Item 3 from file: 348)

DIALOG(R)File 348:EUROPEAN PATENTS

(c) 2004 European Patent Office. All rts. reserv.

00758473

**Electronic ticket vending system and method thereof**

**System und Verfahren zum Verkaufen von elektronischen Wutkarten**

**Systeme et methode pour la vente de tickets electroniques**

PATENT ASSIGNEE:

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101, (JP), (applicant designated states: DE;FR;GB)

INVENTOR:

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Asao, Hiroshi, No. 203 Kosumikkuhausu, 2-6-37 Kitakase, Saiwai-ku,

Kawasaki-shi, Kanagawa-ken 211, (JP)

LEGAL REPRESENTATIVE:

Hackney, Nigel John et al (76991), Mewburn Ellis, York House, 23 Kingsway  
, London WC2B 6HP, (GB)

PATENT (CC, No, Kind, Date): EP 713198 A2 960522 (Basic)  
EP 713198 A3 981202

APPLICATION (CC, No, Date): EP 95308255 951117;

PRIORITY (CC, No, Date): JP 94284623 941118

DESIGNATED STATES: DE; FR; GB

INTERNATIONAL PATENT CLASS: G07F-007/08; G06F-017/60 ; G07F-017/16

ABSTRACT WORD COUNT: 172

LANGUAGE (Publication,Procedural,Application): English; English; English  
FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	EPAB96	2598
SPEC A	(English)	EPAB96	24245
Total word count - document A			26843
Total word count - document B			0
Total word count - documents A + B			26843

...INTERNATIONAL PATENT CLASS: G06F-017/60

...SPECIFICATION on the sending side. Next, the electronic purse on the sending side produces a message VR on the sending side which includes the amount of money to be sent, the transaction identification, and the message R and then sends Pls\*Sg+ VR \*Sls to the electronic purse on the receiving side. The electronic purse on the receiving...on the sending side. Next, the electronic purse on the sending side produces a message VR on the sending side which includes the amount of money to be sent, the transaction identification, and the message R and then sends Pls\*Sg+ VR \*Sls to the electronic purse on the receiving side. The electronic purse on the receiving...

11/3,K/4 (Item 1 from file: 349)  
DIALOG(R)File 349:PCT FULLTEXT  
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01049209 \*\*Image available\*\*

#### A TAX REFUND SYSTEM

#### SYSTEME SERVANT A REMBOURSER LA TVA

Patent Applicant/Assignee:

MAINLINE CORPORATE HOLDINGS LIMITED, Tully, Ballinlown, Co. Galway, IE,  
IE (Residence), IE (Nationality), (For all designated states except:  
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Patent Applicant/Inventor:

BARRY Gerard J, 1 Carragh Drive, Knocknacarragh,, Salthill, Co. Galway,  
IE, IE (Residence), IE (Nationality), (Designated only for: US)

DUFFY John, Tully, Ballinlown, Co. Galway, IE, IE (Residence), IE  
(Nationality), (Designated only for: US)

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West Sussex, \*\*, GB (Residence), GB (Nationality), (Designated only  
for: US)

BEWS Duncan Alexander, 26 Elgood Avenue, Northwood, Middlesex, \*\*, GB  
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Legal Representative:

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Dublin 6, IE,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200379249 A2-A3 20030925 (WO 0379249)

Application: WO 2003IE42 20030318 (PCT/WO IE03000042)

Priority Application: GB 20026346 20020318; IE 2002850 20021031

Designated States:

(Protection type is "patent" unless otherwise stated - for applications  
prior to 2004)

AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ DE DK DM DZ  
EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR  
LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG SK SL TJ  
TM TR TT TZ UA UG US UZ VN YU ZA ZW

(EP) AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LU MC NL PT RO SE  
SI SK TR  
(OA) BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG  
(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW  
(EA) AM AZ BY KG KZ MD RU TJ TM

Publication Language: English

Filing Language: English

Fulltext Word Count: 11883

Main International Patent Class: G06F-017/60

Fulltext Availability:

Claims

#### Claim

... more memory devices. For example, program code 24 for operating the terminal 2 may be **stored** in a ROM type memory device for example, an EEPROM or similar, whereas card **transaction** details may be **stored** in RAM memory. However for simplicity of explanation, the memory 15 is shown ...to storing the program code to operate the terminal, the memory is also used to **store** data. This data may either be set-up data required for the general use of the terminal or **transaction** data obtained from transactions. The transaction data for the present invention may be classed as...

...data relating to payment card transactions (purchases or refunds on payment cards) or VAT refund **transaction** record data. The payment card data table (PCD) 35 may be used to **store** details of payment card **transactions** prior to forwarding them to a collection host. The VAT refund **transaction** record data table (VRF) 37 may be used to **store** VAT refund **transaction** records for subsequent uploading to a host. For ease of access and use, the set-up data is frequently **stored** in data structures referred to as data tables. The exact number and type of tables...

...particular implementation. For the purposes of explanation, payment card data tables (PCD) 35, used to **store** set-up data relating only to payment card **transactions** (payment card data tables) and not directly required for the understanding of the present invention...

...omitted from the following exemplary list of set-up tables, which includes:

Vat Rates Table ( VR ) 19,

Supplier Details Table (SD) 20

**Transaction** Allocation Table (TA) 21

Description Table (D) 22

Refund Rate Table (RR) ...in Table 2. The first few fields

'SupplierName', 'SupplierAddr1', 'SupplierAddr2' and 'SupplierAddr3' are used to **store** the name address of the supplier, for subsequent outputting of the VAT refund **transaction** records. Similarly, the 'SupplierVATNO' is used to **store** the registered VAT number of the supplier, which is also typically outputted for the VAT refund **transaction** records.

Field Name Type

SupplierName Char

SupplierAddr1 Char

SupplierAd&2 Char

SupplierAddr3 Chad

ISupplierVATNo Char1...conjunction with the terminal software. The terminal is initially loaded with a small range of **transaction** record numbers **stored** in primary fields, i.e. in the range starting from the value (number) held in...3

In such circumstances, the terminal would no longer be in a position to allocate **transaction** records. To overcome this problem, the terminals are provided with a second range of **transaction** record codes, which are **stored** in the exemplary table 3 in the secondary fields 'Transaction2StartFrom', 'Transaction2EndAt', and 'Transaction2Next' ...sale and attendant/supplemental transaction record data may be inserted/printed onto the vat refund **transaction** records for the benefit of the customer. This key dependent data may be **stored** in the Refund Rate Table, a sample structure for which is shown in Table 5.

...individual sort codes, this information may subsequently be used for generation of the VAT refund **transaction** record. If the ID table 17 is used to **store** details of issuer identifiers and bank sort codes, then the ID table may include a...

11/3,K/5 (Item 2 from file: 349)  
DIALOG(R)File 349:PCT FULLTEXT  
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01000015 \*\*Image available\*\*

**ADVERTISEMENT MANAGEMENT METHOD, SYSTEM AND COMPUTER PROGRAM PRODUCT  
PROCEDE, SYSTEME ET PRODUIT-PROGRAMME INFORMATIQUE DE GESTION PUBLICITAIRE**

Patent Applicant/Assignee:

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(Residence), US (Nationality)

Inventor(s):

HOLTZ Alex, 11837 Tanya Terrace East, Jacksonville, FL 32223, US,  
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SNYDER Robert J, 1404 Kipling Lane, St. Augustine, FL 32095, US,  
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Legal Representative:

LEE Michael Q (et al) (agent), Sterne, Kessler, Goldstein, & Fox  
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20005-3934, US;

Patent and Priority Information (Country, Number, Date):

Patent: WO 200330011 A1 20030410 (WO 0330011)  
Application: WO 2002US29647 20020920 (PCT/WO US0229647)  
Priority Application: US 2001323328 20010920; US 2002363098 20020312; US  
2002208810 20020801

Designated States:

(Protection type is "patent" unless otherwise stated - for applications prior to 2004)

AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ DE DK DM DZ  
EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR  
LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ OM PH PL PT RO RU SD SE SG SI  
SK SL TJ TM TN TR TT TZ UA UG UZ VC VN YU ZA ZM ZW  
(EP) AT BE BG CH CY CZ DE DK EE ES FI FR GB GR IE IT LU MC NL PT SE SK TR  
(OA) BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG  
(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZM ZW  
(EA) AM AZ BY KG KZ MD RU TJ TM

Publication Language: English

Filing Language: English

Fulltext Word Count: 18301

International Patent Class: G06F-017/60

Fulltext Availability:

Detailed Description

Detailed Description

... media production is produced and distributed in real time to a destination. The term "as- live " refers to a time-shifted distribution of a **live** media production. An as- live production can be **stored** at a server or client display for the delayed presentation to the user. The term " **live** -to-tape" refers to a **live** media production that has been **stored** to any type of record playback device (RPD), including a video tape recorder/player (VTR), video recorder/server, virtual recorder (VR), digital audio tape (DAT) recorder, or any mechanism that **stores** , records, generates, or plays back via magnetic, optical, electronic, or any other storage media. It should be understood that " **live** -to-tape" represents only one embodiment of the present invention. The present invention is equally...

11/3,K/6 (Item 3 from file: 349)

DIALOG(R)File 349:PCT FULLTEXT

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00990396

**ELECTRONIC TRADING SYSTEM**

**SYSTEME DE NEGOCE ELECTRONIQUE**

Patent Applicant/Assignee:

ELECTRONIC BROKING SERVICES LIMITED, 55-56 Lincolns Inn Fields, London  
WC2A 3LJ, GB, GB (Residence), GB (Nationality)

Inventor(s):

HORSFALL Peter Richard, 30 Wetmore Avenue, Morristown, NJ 07960, US,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200319441 A2 20030306 (WO 0319441)

Application: WO 2002IB5448 20020828 (PCT/WO IB0205448)

Priority Application: US 2001942426 20010829

Designated States:

(Protection type is "patent" unless otherwise stated - for applications prior to 2004)

AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ DE DK DM DZ  
EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR  
LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ OM PH PL PT RO RU SD SE SG SI  
SK SL TJ TM TN TR TT TZ UA UG UZ VC VN YU ZA ZM ZW

(EP) AT BE BG CH CY CZ DE DK EE ES FI FR GB GR IE IT LU MC NL PT SE SK TR

(OA) BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG

(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZM ZW

(EA) AM AZ BY KG KZ MD RU TJ TM

Publication Language: English

Filing Language: English

Fulltext Word Count: 14095

Main International Patent Class: G06F-017/60

Fulltext Availability:

Claims

Claim

... tc(2@,nVeyed fo- tl(-cad4@@is! rncludes @ an indication of  
the amount 'of the **market** ' that has been ' entered, by 'the  
t c

26 12. A-ciomputetised **trading** system for **trading** instruments

11/3,K/7 (Item 4 from file: 349)  
DIALOG(R)File 349:PCT FULLTEXT  
(c) 2004 WIPO/Univentio. All rts. reserv.

00942062 \*\*Image available\*\*  
DIGITAL OPTIONS HAVING DEMAND-BASED, ADJUSTABLE RETURNS, AND TRADING  
EXCHANGE THEREFOR  
OPTIONS NUMERIQUES COMPORTANT DES RETOURS AJUSTABLES A BASE DE DEMANDE ET  
BOURSE D'ECHANGE A CET EFFET

Patent Applicant/Assignee:

LONGITUDE INC, 650 Fifth Avenue, New York, NY 10019, US, US (Residence),  
US (Nationality)

Inventor(s):

LANGE Jeffrey, 3 East 84th Street, Apt. 3, New York, NY 10028, US,

Legal Representative:

WEISS Charles A (et al) (agent), Kenyon & Kenyon, One Broadway, New York,  
NY 10004, US,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200274047 A2-A3 20020926 (WO 0274047)

Application: WO 2002US7480 20020311 (PCT/WO US0207480)

Priority Application: US 2001809025 20010316

Designated States:

(Protection type is "patent" unless otherwise stated - for applications  
prior to 2004)

AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ DE DK DM DZ  
EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR  
LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ OM PH PL PT RO RU SD SE SG SI  
SK SL TJ TM TN TR TT TZ UA UG UZ VN YU ZA ZM ZW

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR

(OA) BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG

(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZM ZW

(EA) AM AZ BY KG KZ MD RU TJ TM

Publication Language: English

Filing Language: English

Fulltext Word Count: 85860

Main International Patent Class: G06F-017/60

Fulltext Availability:

Claims

Claim

... Stock

Underlying Security: Microsoft Corporation Common Stock ("MSFT")

Date: 8/18/99

Spot Price: 85

**Market** Volatility: 50% annualized

**Trading** Start Date: 8/18/99, **Market** Open

**Trading** End Date: 8/18/99, **Market** Close

Expiration: 8/19/99, **Market** Close

Event: MSFT Closing Price at Expiration

**Trading** Time: 1 day

Duration to TED: 1 day

Dividends Payable to Expiration: 0

Interbank short...

...1 1, the predetermined termination criteria are the investment in a  
contingent claim during the **trading** period and the closing of the



**market** for Microsoft common stock on 8/ 1 9/99. If all traders agree that the...same amount in each of the 20 states identified in the table. Of course, actual **trading** will likely yield final **market**. returns which deviate from those initially chosen for convenience using a lognormal distribution.  
1 0...

...6/25/99

Bond Maturity Date: 5/31/03

Contingent Claim Expiration: 7/2/99, **Market** Close, 4:00 p.m. EST

- 73

**Trading** Period Start Date: 6/25/99, 4:00 p.m., EST

TradingPeriodEndDate: 6/28/99...

11/3,K/8 (Item 5 from file: 349)

DIALOG(R)File 349:PCT FULLTEXT

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00900368 \*\*Image available\*\*

**SYSTEM AND METHOD FOR ONLINE ORDERING UTILIZING A DIGITAL TELEVISION RECEIVER**

**SYSTEME ET PROCEDE DE PASSATION DE COMMANDE EN LIGNE UTILISANT UN RECEPTEUR DE TELEVISION NUMERIQUE**

Patent Applicant/Assignee:

KONINKLIJKE PHILIPS ELECTRONICS N V, Groenewoudseweg 1, NL-5621 BA Eindhoven, NL, NL (Residence), NL (Nationality)

Inventor(s):

REVELIOTIS Panagiotis R, Prof. Holstlaan 6, NL-5656 AA Eindhoven, NL,

Legal Representative:

GROENENDAAL Antonius W M (agent), Internationaal Octrooibureau B.V., Prof Holstlaan 6, NL-5656 AA Eindhoven, NL,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200233951 A2-A3 20020425 (WO 0233951)

Application: WO 2001EP11607 20011004 (PCT/WO EP0111607)

Priority Application: US 2000688644 20001016

Designated States:

(Protection type is "patent" unless otherwise stated - for applications prior to 2004)

JP

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR

Publication Language: English

Filing Language: English

Fulltext Word Count: 6606

...International Patent Class: **G06F-017/60**

Fulltext Availability:

Detailed Description

Detailed Description

... a server at the user's Internet service provider (ISP).

Frame grabber 260 captures and **stores** video frames from the output of MPEG2 decoder/NTSC encoder 240. **Transaction** controller 285 analyzes the video frames to determine whether there are any product identification records embedded. Under the direction of programs stored in memory 265, **VR** controller 250 modifies the video signal being processed in video processor 21 0 to include images associated with **transaction** control program 270 of the present invention as well as any other (user controlled) graphics...

...audibly perceptible aspects of the operation of television receiver 105. Memory 265 includes storage for **transaction** controfediting program 275, which comprises a set of instructions, executable by **VR** controller 250, for modifying different aspects of the video image and other visually or audibly perceptible aspects of the operation of television receiver 105. **VR** Controller 250 also runs **transaction** control editing program 275 when a user desires to modify one or more of user profiles **stored** in memory 265, including exemplary user profile 280, 281 and 282, which are arbitrarily labeled User 1, User 2, and User 3. **Transaction** control program 270 uses the values **stored** in user profiles, for instance user profile 280 profile, to transmit user profile 280 credit...

11/3,K/9 (Item 6 from file: 349)

DIALOG(R) File 349:PCT FULLTEXT

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00871075 \*\*Image available\*\*

**VIRTUAL INTERACTIVE GLOBAL EXCHANGE  
ECHANGE GLOBAL INTERACTIF VIRTUEL**

Inventor(s):

SARMA Sanjay, 67 Hurd Road, Belmont, MA 02478, US,

Patent Applicant/Inventor:

MELKOMIAN Raymond, 68-23 Douglaston Parkway, Douglaston, NY 11362, US, US  
(Residence), US (Nationality)

Legal Representative:

SAPONE William J (agent), Coleman Sudol Sapone P.C., 714 Colorado Avenue,  
Bridgeport, CT 06605, US,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200205182 A1 20020117 (WO 0205182)

Application: WO 2001US21377 20010706 (PCT/WO US0121377)

Priority Application: US 2000216195 20000706

Designated States:

(Protection type is "patent" unless otherwise stated - for applications prior to 2004)

AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CR CU CZ DE DK DM DZ EE  
ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT  
LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM  
TR TT TZ UA UG UZ VN YU ZA ZW

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR

(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG

(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW

(EA) AM AZ BY KG KZ MD RU TJ TM

Publication Language: English

Filing Language: English

Fulltext Word Count: 11633

Main International Patent Class: **G06F-017/60**

Fulltext Availability:

Detailed Description

Claims

Detailed Description

... functions: (1) provide and maintain a physical marketplace (often called the floor) electronically in a **virtual reality** where securities can be bought and sold by the **trading** community or members of the exchange; (2) police and enforce ethical and financial standards applicable...and hear each other in a virtual form in meefings and off the floor. During **trading** hours, each trader's body is an iconic

representation which can be in the form of an **avatar** that will display his/her badge number/floor name 5 and their position 6. The...system for the products traded.

A method of the invention comprises providing a method for **trading** products in a virtual reality environment by providing a **virtual reality** generator producing 3-dimensional images of a **trading** floor; providing an **avatar** within the **virtual reality trading** floor corresponding to each trader; providing control signals from the trader to the avatar to direct the avatar in the **virtual reality trading** floor, observing other traders in the **virtual reality trading** floor; and interacting the avatars of multiple traders to simulate an open out call **auction** and 15 completing **trades** on the **virtual trading** floor.

While preferred embodiments of the present invention have been shown and described, (inverted exclamation...

#### Claim

... so as to simulate a virtual open out call auction system.

7 A method for **trading** financial products in a virtual reality environment comprising: providing a virtual reality generator for producing 3 -dimensional images of a trading floor

36

to generate a **virtual reality** trading floor; providing a plurality of avatars within the **virtual reality trading** floor corresponding to a plurality of traders; providing control signals from a trader to a corresponding **avatar** to direct the corresponding **avatar** on the **virtual reality trading** floor; observing other traders via their corresponding avatars on the **virtual reality trading** floor; interacting the avatars of the plurality of traders to simulate an open out call **auction**; and completing **trades** on the **virtual trading** floor. 8 . The method of claim 7 further comprising recording and storing the interactive trades...

11/3,K/10 (Item 7 from file: 349)

DIALOG(R)File 349:PCT FULLTEXT

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00843140

#### VIRTUAL TRADING FLOOR SYSTEM

#### SYSTEME DE BASE DE COMMERCE VIRTUEL

Patent Applicant/Assignee:

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Patent and Priority Information (Country, Number, Date):

Patent: WO 200175731 A1 20011011 (WO 0175731)

Application: WO 2001US10267 20010330 (PCT/WO US0110267)

Priority Application: US 2000540601 20000331

Designated States:

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AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ DE DK DM DZ  
EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS  
LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG SI SK SL TJ  
TM TR TT TZ UA UG US UZ VN YU ZA ZW

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR

(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG

(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW

(EA) AM AZ BY KG KZ MD RU TJ TM

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Filing Language: English

Fulltext Word Count: 9667

Main International Patent Class: G06F-017/60

Fulltext Availability:

Detailed Description

Detailed Description

... outcry markets on a computer screen, projection screen or in a virtual reality system requiring **virtual reality** goggles or a **virtual reality** headset and the like.

#### SUMMARY OF THE INVENTION

The present invention is a virtual **trading** floor based on the pit traded open outcry auction process currently conducted at the major...to similar elements and in which.

FIG. 1 is a block diagram of the virtual **trading** floor system according to the invention, comprising a coder/decoder, **avatar** interface, data interface and a control

interface;  
FIG. 2 is a graphic of the metaphors...

...viewed on a display at the option of a trader, and as generated by the **avatar**, data and control interfaces of FIG. 1 according to the invention;

FIG. 5 is a graphic showing multiple virtual **trading** floors representing

multiple **markets** as may be viewed at the option of a trader;

FIG. 6 is an illustration...

...position screen according to an embodiment the invention;

FIG. 8 is a graphic illustrating a **virtual reality trading** floor according to an alternative embodiment of the invention; and

7

FIG. 9 is a...

...diagram that illustrates a computer system which may comprise any.-one or more of the **trading** source, coder/decoder, **avatar** interface, data interface or control interface.

#### DETAILED DESCRIPTION OF THE PREFERRED EMBODIMENT

A method and system for a virtual **trading** floor is described. In the following description, for the purposes of explanation, numerous specific

details...

...a trading source 110 that generates, financial data. In an embodiment, the virtual **trading** floor system 100 comprises a coder/decoder 120, a control interface 130, a data interface 140 and a graphic or **avatar** interface 150. The coder/decoder 120 is coupled by line 160 to the **trading** source 110. The **avatar** interface 150 is coupled by line 170 to the coder/decoder 120. The control 130...

...IO or the -location where the financial data is generated. Also, in an embodiment, the **trading** source 110 may be any computer system or computer network that generates real-time, data received from a central **market** place, such as the well-known NASDAQ, CBOT, CME, NYSE, EUREX markets, any other primary ...bid, offer and confirmed transaction results, in addition to other financial data provided by the **trading** source 120. Or the packets may contain data from an **auction** forum whose data is accessible from a web site or private network. In such a...

...data patterns and formats, the coder/decoder 120 decodes and processes data received from the **trading** source 110 and transmits the data to the **avatar** interface 150. The coder/decoder 120 will in turn send packets of data to the...In an embodiment, the coder/decoder algorithms interpret, process and transmit the data from the **trading** source 110 in a form that allows the **avatar** interface 150 to generate a display of human metaphors that represent actual buying and selling...

...traders may be used.

The buying 210 and selling trader metaphors 220 generated by the **avatar** interface 150 appear as human figures dressed in **trading** jackets. In an embodiment, the buying 210 and selling trader metaphors 220 may appear in ...

...representing a desire to buy. Accordingly, the computer system's 180 display simulates an open **auction trading** pit with trader metaphors having the best bid and the best offer for a particular...

...provide for more trader metaphors on the monitor as activity, including but not limited to **trading** volume and volatility, on either side of the **market** increases. Or, as **market** activity lessens, the noise level will diminish and less traders will appear on the screen...a single display 410 of computer system 180. In an embodiment, the virtual **trading** floor 400 is generated by the **avatar** interface 150, the quote board and graphs are generated by the data interface 140 and...

...432 and graphs 492 To view current and past price information on both the active **market** simulated on the virtual **trading** floor 400 and other **markets**, a trader at computer system 180 may also choose to see the quote board 420 displayed over the virtual **trading** floor 400. The display 410 at computer system 180 may at a trader's discretion...

...individual display monitors may be used with computer system 180 to view the simulated virtual **trading** floor 400, quote board 410 and or graphs 492

In an embodiment, the column of a specific **market** on the quote board 420

could be highlighted in a first predetermined color, upon selection by a trader, to indicate that the corresponding **market** is the **market** being simulated on the virtual **trading** floor 400. A column may also be highlighted in a second predetermined color 30 to indicate that the

corresponding **market** is the active market in which orders may be made via the order input entry...

...displayed on and generated by the control interface 130. Also in this embodiment, the virtual **trading** floor 694 is generated by the **avatar** interface 150 and the quote board 694 is generated by the data interface 140. The...made, the instructions of the trader will be sent immediately to 1 5 the central **marketplace** by way of the data interface 140 through the coder/decoder to the **trading** source 1 1 0. A verification response will be sent to confirm receipt of the...

...they are highlighted.

I 0 Through virtual reality hardware, the participant 810 would enter the **trading** forum and be able to interact within a **market** with opposing traders. The display that comprises the **virtual reality trading** floor 800 could be as simple as a monitor, or as complex as a **virtual reality** viewer or an actual room augmented with wearable computers to create a full-blown **virtual reality** environment that would place the 1 5 participant on the **virtual reality trading** floor 800. In the **virtual reality trading** floor system, orders would be initiated from the control interface 130, and made by, but...screen 850, current position screen 860 and/or graphs 870 may comprise part of the **virtual reality trading** floor 800 display and may be easily viewed and accessed by the participant 810. An algorithm for **trade** matching, based on a prorated or FIFO **trading** match scheme could be incorporated. Each trader would view the **market** in the first person with the other traders arranged oppositionally in the **trading** crowd.

As the market volutne grows, traders in the crowd depicted as buying trader metaphors...

...one actual trader. If, for instance, only I 00 traders can visually fit into the **virtual reality trading** floor 800 and 150 traders desire to **trade**, each trader metaphor may represent the actions of 15 actual traders. If 500 traders wanted to **trade** in a particular **market**, each of the 100 trader metaphors could represent 5 traders, and so on. Consequently, the **virtual reality trading** floor 800 will permit an unlimited number of participants to **trade** among one another to determine the best **market** price for a particular stock, commodity or the like. In an embodiment, the virtual **trading**

19  
FIG. 9 is a block diagram that illustrates a computer system 900 which may implement any one or more of the **trading** source 1 1 0, coder/decoder 120, **avatar** interface 150, data interface 140 or control interface 130. Computer system 900 includes a bus...

11/3,K/11 (Item 8 from file: 349)  
DIALOG(R)File 349:PCT FULLTEXT  
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00777977 \*\*Image available\*\*

**ELECTRONIC COMMERCE SYSTEM AND METHOD OVER THREE-DIMENSIONAL VIRTUAL REALITY SPACE**

**SYSTEME DE COMMERCE ELECTRONIQUE ET PROCEDE UTILISANT UN ESPACE DE REALITE VIRTUELLE TRIDIMENSIONNEL**

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Patent and Priority Information (Country, Number, Date):

Patent: WO 200111511 A1 20010215 (WO 0111511)

Application: WO 2000KR596 20000608 (PCT/WO KR0000596)

Priority Application: KR 9932341 19990806

Designated States:

(Protection type is "patent" unless otherwise stated - for applications  
prior to 2004)

AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CR CU CZ DE DK DM EE ES FI GB  
GD GE GH GM HR HU ID IL IN IS JP KE KG KP KZ LC LK LR LS LT LU LV MA MD  
MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT TZ UA UG  
UZ VN YU ZA ZW

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE

(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG

(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW

(EA) AM AZ BY KG KZ MD RU TJ TM

Publication Language: English

Filing Language: English

Fulltext Word Count: 8230

Main International Patent Class: G06F-017/60

Fulltext Availability:

Detailed Description

Detailed Description

... 0 stores of

about 33 M2 each and an event hall, thereby allowing one-stop **shopping**.  
If a user clicks the signboard or inside of a **store**, a corresponding  
homepage is lo opened and a **trade** is achieved therein. FIG. 2 is a  
graphical, panoramic view of the inside of the **shopping mall**. When a  
user enters the shopping mall, an announcement is heard with rhythmical  
music allowing...of the other. In this case, the A avatar can be  
controlled through the B **avatar**. This can **simulate** two people going  
**shopping** hand in hand in the real world. One of ordinary skill in the  
art will...

11/3,K/12 (Item 9 from file: 349)

DIALOG(R)File 349:PCT FULLTEXT

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00766118 \*\*Image available\*\*

REDEMPTION SYSTEMS AND METHODS WHEREIN A BUYER TAKES POSSESSION AT A  
RETAILER OF A PRODUCT PURCHASED USING A COMMUNICATION NETWORK  
SYSTEMES ET PROCEDES D'ENCAISSEMENT, LORS DE L'ENTREE EN POSSESSION PAR UN  
ACHETEUR, CHEZ UN DETAILLANT, D'UN PRODUIT ACHETE PAR L'INTERMEDIAIRE  
D'UN RESEAU DE TELECOMMUNICATIONS

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Patent and Priority Information (Country, Number, Date):

Patent: WO 200079495 A2 20001228 (WO 0079495)  
Application: WO 2000US16998 20000621 (PCT/WO US0016998)  
Priority Application: US 99337906 19990622; US 99388723 19990902

Designated States:

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prior to 2004)

AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CR CU CZ DE DK DM DZ EE  
ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT  
LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM  
TR TT TZ UA UG US UZ VN YU ZA ZW  
(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE  
(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG  
(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW  
(EA) AM AZ BY KG KZ MD RU TJ TM

Publication Language: English

Filing Language: English

Fulltext Word Count: 25866

Main International Patent Class: G06F-017/60

Fulltext Availability:

Claims

Claim

... 33 020 SELLER A PROFIT MARGIN SELLER A PRODUCT  
PRODUCT ON BASE WHEN YOU REDEEM

**TRANSACTION** YOUR PRODUCT!"

FIG. 9

/ 46

**vr** @ 1000

SUPPLEMENTAL

PRODUCT REDEMPTION STATUS

OFFER IDENTIFIER

IDENTIFIER

1002 1 1004 1 1006

019 877175671...DECLINE OUTPUT DECLINE SIGNAL

"DECLINE"? THROUGH OUTPUT DEVICE 2010

2006

AUTHORIZE RETRIEVE RETAIL PRICE FROM

**RETAIL** PRICE DATABASE

2012

RETURN TO STEP 1806

OF FIG. 18 2008 ADD **RETAIL** PRICE TO

SUBTOTAL

2014

CONTINUE **TRANSACTION**

PROCESS CONVENTIONALLY

2016

FIG. 20



RECEIVE REDEMPTION CODE 2100  
AND PRODUCT IDENTIFIER  
FROM POS CONTROLLER...

...PRICE FROM RETAIL  
HAT PRODUCT HAS BEE OUTPUT DEVICE PRICE DATABASE  
ED ? 2212 2214  
ADD **RETAIL** PRICE  
TO SUBTOTAL  
D 2216  
NO  
IDENTIFIERS  
CONTINUE  
**TRANSACTION** PROCESS  
CONVENTIONALLY  
Y L218  
UPDATE CORRESPONDING  
STATUS TO "REDEEMED" IN  
PRICING DATABASE 2208  
RETURN TO...

...RETRIEVE RETAIL PRICE FROM  
RETAIL PRICE DATABASE  
2318  
RECORD HASH CODE  
IN MEMORY  
2312  
ADD **RETAIL** PRICE TO  
SUBTOTAL  
2320  
RETURN TO STEP 1806  
OF FIG. 18  
2314  
CONTINUE **TRANSACTION**  
PROCESSING CONVENTIONALLY  
2322  
FIG, 23  
/ 46  
2400  
SUPPLEMENTAL NO  
RODUCT OFFER  
IDENTIFIER BEEN  
INPUT?  
2402...

...INSTRUCT OPERATOR TO  
EPT REDEMPTION IDENTIFIER AS  
PAYMENT FOR PRODUCT 2714  
--Ir  
OVERRIDE RETRIEVAL  
OF **RETAIL** PRICE FOR  
PRODUCT IDENTIFIER 2716  
TO FIG. 27B  
FIG, 27A  
FROM FIG. 27A  
COMPLETE **TRANSACTION**  
2718  
is YES QUEUE COLLECTION OF  
ETAILER? ESTABLISHED PRICE FROM  
2720 PURCHASING SYSTEM 2722  
NO...

...COLLECTION FROM  
PURCHASING SYSTEM 2816  
TO FIG. 28B  
FIG, 28A  
/ 46  
FROM FIG. 28A  
DETERMINE TRANSACTION TOTAL  
BASED ON REMAINING RETAIL  
PRICES IN TRANSACTION 2818  
COLLECT PAYMENT OF  
TRANSACTION TOTAL  
FROM BUYER  
INSTRUCT OPERATOR TO  
AUTHORIZE BUYER TO TAKE  
POSSESSION OF PRODUCT(S) 2822...NECESSARY? 2920  
2918  
NO  
CALCULATE AND SET  
FINAL AMOUNT BASED ON  
ANY ADJUSTMENTS 2922  
FINALIZE TRANSACTION  
WITH BUYER BASED ON  
FINAL AMOUNT 2924  
FIGI 29B  
/ 46  
RECEIVE REDEMPTION 3000  
IDENTIFIER, RETAILER IDENTIFIER  
AND PRODUCT PRICE 3002  
RETRIEVE RECORD FROM ACCEPTED  
OFFERS DATABASE BASED ON  
REDEMPTION IDENTIFIER...

...0 NO  
DATE WITHIN VA  
DATE RANGE?  
TO FIG. 31A  
311  
YE  
SET STATUS OF STORE INDICATION OF LATE  
REDEMPTION IDENTIFIER TO REDEMPTION AND TRANSMIT TO  
NREDEEMED" 3122 PURCHASING SYSTEM 3120  
AUTHORIZE TRANSACTION  
3124  
TRANSMIT INDICATION OF  
REDEMPTION TO PURCHASING  
SYSTEM AND QUEUE COLLECTION  
OF SETTLEMENT PRICE 3126...

11/3,K/13 (Item 10 from file: 349)  
DIALOG(R)File 349:PCT FULLTEXT  
(c) 2004 WIPO/Univentio. All rts. reserv.

00753844 \*\*Image available\*\*  
SYSTEM METHOD AND ARTICLE OF MANUFACTURE FOR CREATING COLLABORATIVE  
APPLICATION SHARING  
SYSTEME, PROCEDE ET ARTICLE MANUFACTURE POUR LA CREATION D'UN PARTAGE  
D'APPLICATIONS EN COLLABORATION  
Patent Applicant/Assignee:

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Patent and Priority Information (Country, Number, Date):

Patent: WO 200067227 A1 20001109 (WO 0067227)

Application: WO 2000US12289 20000505 (PCT/WO US0012289)

Priority Application: US 99305719 19990505

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prior to 2004)

AE AG AL AM AT AU AZ BA BB BG BR BY CA CH CN CR CU CZ DE DK DM DZ EE ES  
FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU  
LV MA MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT  
TZ UA UG US UZ VN YU ZA ZW

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE

(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG

(AP) GH GM KE LS MW SD SL SZ TZ UG ZW

(EA) AM AZ BY KG KZ MD RU TJ TM

Publication Language: English

Filing Language: English

Fulltext Word Count: 66555

...International Patent Class: G06F-017/60

Fulltext Availability:

Detailed Description

Claims

Detailed Description

... topology may have a significant impact on efficiency and performance.

Application Independence

Although the driving **market** force behind T. 120 was teleconferencing,  
its designers purposely sought to satisfy a much broader...

...communications facility that can be used by many different applications.

These applications include interactive gaming, **virtual reality** and  
**simulations**, real-time subscription news feeds, and process control  
applications.

Scalability

T. 120 is defined to...

Claim

... P!1 14, 4

21

Ent.#1 Accounts Journal - Y1 DR CR

2 1 20 **Marketable** Securities

E E37 Reserve for Accounts Receivable I \$22

FIGUIR-Ed 37

**Transaction**

t Credit

FIGUIR J- E1 III 38

@)n

9i , @

T:;ro,pt group #1A  
Target...

11/3,K/14 (Item 11 from file: 349)  
DIALOG(R)File 349:PCT FULLTEXT  
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00748806 \*\*Image available\*\*

**METHOD AND APPARATUS FOR TRACKING CONSUMERS  
PROCEDE ET DISPOSITIF DE SUIVI DE CONSOMMATEUR**

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Patent and Priority Information (Country, Number, Date):

Patent: WO 200062231 A1 20001019 (WO 0062231)  
Application: WO 2000US9759 20000412 (PCT/WO US0009759)  
Priority Application: US 99129010 19990413

Designated States:

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AE AG AL AM AT AU AZ BA BB BG BR BY CA CH CN CR CU CZ DE DK DM DZ EE ES  
FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU  
LV MA MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT  
TZ UA UG US UZ VN YU ZA ZW

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE

(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG

(AP) GH GM KE LS MW SD SL SZ TZ UG ZW

(EA) AM AZ BY KG KZ MD RU TJ TM

Publication Language: English

Filing Language: English

Fulltext Word Count: 21699

Main International Patent Class: G06F-017/60

Fulltext Availability:

Claims

Claim

... Card 0 ie

Points Program Process GRS MyPoints

0 L 1 106

F 10

Enrolled **Shopees** Credit Card # used at

Credit Card Merchant by **Shopper**

Match?

I Yes

Potentially Credit Card

Qualified on Unexpired

**Transaction** Clipped Coupon

Match?

Yes  
ally Bill to Merchant  
Qualified Credit to Customer  
Transaction-< Fee to...

11/3,K/15 (Item 12 from file: 349)  
DIALOG(R)File 349:PCT FULLTEXT  
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00576347 \*\*Image available\*\*

METHOD AND APPARATUS FOR PROVIDING CROSS-BENEFITS BASED ON A CUSTOMER  
ACTIVITY

PROCEDE ET APPAREIL SERVANT A GENERER DES BENEFICES PARALLELES LIES A  
L'ACTIVITE D'UN CLIENT

Patent Applicant/Assignee:

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WALKER Jay S,  
TEDESCO Daniel E,  
TULLEY Stephen C,  
PACKES John M Jr,  
O'SHEA Deirdre,  
BEMER Keith,  
JORASCH James A,  
ALDERUCCI Dean P,

Inventor(s):

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TEDESCO Daniel E,  
TULLEY Stephen C,  
PACKES John M Jr,  
O'SHEA Deirdre,  
BEMER Keith,  
JORASCH James A,  
ALDERUCCI Dean P,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200039720 A1 20000706 (WO 0039720)  
Application: WO 99US19955 19990831 (PCT/WO US9919955)  
Priority Application: US 98282747 19981005

Designated States:

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prior to 2004)

AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE  
GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK  
MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN  
YU ZA ZW GH GM KE LS MW SD SL SZ UG ZW AM AZ BY KG KZ MD RU TJ TM AT BE  
CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE BF BJ CF CG CI CM GA GN  
GW ML MR NE SN TD TG

Publication Language: English

Fulltext Word Count: 19014

Main International Patent Class: G06F-017/60

Fulltext Availability:

Claims

Claim

... SUBSIDIZING

VENDOR  
SERVER  
180  
VENDOR  
SERVER

160  
CUSTOMER  
TERMINAL  
170  
FlGe 1B  
/ 19  
200  
SUBSIDIZING  
VENDOR PROCESSOR VENDOR  
SERVER SERVER  
120 202 140  
210  
PROGRAM 220  
USTOMER  
BA

VENDOR  
BA  
TRANSACTION

DATABASE 25  
SUBSIDIZER  
DATABASE 26  
FER RULES  
B  
RS DATABASE 280  
OFFER SUMMARY  
DATABASE 29...X.COM \$0.00  
504  
V002 VENDOR Y Y@Y.COM \$100.00  
506  
V003 VENDOR Z Z@Z.COM \$987.13  
508  
V004 VENDOR Q Q@Q.COM \$45.00  
FIGs 5  
600

TRANSACTION TIME OF ITEMS CREDIT AMOUNT DELIVERY  
IDENTIFIER TRANSACTION ORDERED CARD CHARGED ADDRESS  
INFORMATION  
620 622 624 626 628 63  
602 VISA  
1/4...

...NEW ENGLAND STATE  
R0005 S14 DOWNLOAD COUPONS \$75 CUSTOMER DOES NOT HAVE CABLE  
FROM A RETAIL KIOSK TELEVISION FROM SERVICE PROVIDE  
FIG, 8  
10 900  
OFFER TRANSACTION SUBSIDIZING OFFER WHEN EXPIRATION SUBSIDY TOTAL  
IDENTIFIER IDENTIFIER VENDOR RULE OFFERED DATE AMOUNT PRICE  
IDENTIFIER APPLIED  
902 920 922 924 926 928 930 932...

11/3,K/16 (Item 13 from file: 349)  
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SYSTEMS, METHODS AND COMPUTER PROGRAM PRODUCTS FOR ELECTRONIC TRADING OF  
FINANCIAL INSTRUMENTS  
SYSTEMES, METHODES ET PROGRAMMES INFORMATIQUES DESTINES A LA NEGOCIATION

**ELECTRONIQUE D'INSTRUMENTS FINANCIERS**

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Claims

Claim

... includes the market module 44 and a conventional operating system 60 which communicates with the **market** module 44 and enables execution of the **market** module 44 (including the **trade** mechanism 30, group server mechanism 32, and **auction** mechanism 34) by processor 50. An external communication line 62 is provided to interface the...

...for each trader workstations 20, user and business unit data, financial instrument definitions, order states, **transaction** states, confirmation states, historical confirmation and **transaction** data, credit preferences of all business units, and historical **market** data. Preferably a relational database 66 resides on the hard disk 64 for maintaining information...

...for each trade workstation 20, user and business unit data, financial instrument definitions, order states, **transaction** states, confirmation states, historical confirmation and **transaction** data, credit preferences of all business units, and historical **market** data. Preferably, the relational database 66 is based on structured query language (SQL) management system...